

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051914

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F10/00 C08F4/64 C08F10/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BARINO, LUISA ET AL BARINO, LUISA ET AL: "Steric equivalence between internal and external donors as polymerization stereoregulators: a molecular mechanics study Steric equivalence between internal and external donors as polymerization stereoregulators: a molecular mechanics study" MACROMOLECULAR SYMPOSIA , 89(SYNTHETIC, STRUCTURAL AND INDUSTRIAL ASPECTS OF STEREOSPECIFIC POLYMERIZATION), 101-11, 1995, XP0008029111 the whole document	1-10
Y	GB 1 235 569 A (MONSANTO CO) 16 June 1971 (1971-06-16) examples 1-3	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

1 December 2004

Date of mailing of the international search report

14/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	BARINO, LUISA ET AL BARINO, LUISA ET AL: "Modeling of isospecific Ti sites in MgCl <sub>2</sub> supported heterogeneous Ziegler-Natta catalysts Modeling of isospecific Ti sites in MgCl <sub>2</sub> supported heterogeneous Ziegler-Natta catalysts" MACROMOLECULAR THEORY AND SIMULATIONS , 7(4), 407-419, 1998, XP0008029113 the whole document	1-10
A	MASI, F. ET AL MASI, F. ET AL: "Characterization of active sites in Ti/Hf/MgCl <sub>2</sub> catalysts by chiral reagents" STUDIES IN SURFACE SCIENCE AND CATALYSIS , 89(CATALYST DESIGN FOR TAILOR-MADE POLYOLEFINS), 73-80, 1994, XP0008029109 tables 1-4	1-10
A	VIIZZINI, JAMES ET AL VIIZZINI, JAMES ET AL: "Stereoselective polymerization of .alpha.-olefins by heterogeneous chiral Ziegler-Natta catalysts Stereoselective polymerization of .alpha.-olefins by heterogeneous chiral Ziegler-Natta catalysts" MACROMOLECULES , 25(1), 108-15, 1992, XP0001189084 the whole document	1-10
A	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ISHIHARA, TAKESHI ET AL: "Preparation of catalyst components for polymerization of olefins" XP002274863 retrieved from STN Database accession no. 1994:509864 abstract & JP 06 049119 A (TONEN CORP, JAPAN) 22 February 1994 (1994-02-22)	1-10
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	& JP 02 173105 A2 (FORMOSA PLASTICS CORP., TAIWAN) 4 July 1990 (1990-07-04) -----	
A	EP 0 171 200 A (TOA NENRYO KOGYO K. K., JAPAN) 12 February 1986 (1986-02-12) page 23; example 14; table IV page 27; example 28; table VI -----	1-10
A	EP 0 173 472 A (TOA NENRYO KOGYO K. K., JAPAN) 5 March 1986 (1986-03-05) page 21; example 49 page 25; table VI -----	1-10
A	EP 0 208 524 A (TOA NENRYO KOGYO K. K., JAPAN) 14 January 1987 (1987-01-14) page 23; example 56 page 27; example 56 -----	1-10
A	XU, JUNTING ET AL XU, JUNTING ET AL: "Influence of Electron Donors on the Tacticity and the Composition Distribution of Propylene -Butene Copolymers Produced by Supported Ziegler-Natta Catalysts Influence of Electron Donors on the Tacticity and the Composition Distribution of Propylene -Butene Copolymers Produced by Supported" MACROMOLECULES , 30(25), 7655-7660 CODEN: MAMOBX; ISSN: 0024-9297 MACROMOLECULES , 30(25), 7655-7660 CODEN: MAMOBX; ISSN: 0024-9297, 1997, XP0001189086 the whole document -----	1-11
A	LORENZO, M. ORTEGA ET AL: "Creating Chiral Surfaces for Enantioselective Heterogeneous Catalysis: R,R-Tartaric Acid on Cu(110)" JOURNAL OF PHYSICAL CHEMISTRY B , 103(48), 10661-10669 CODEN: JPCBFK; ISSN: 1089-5647, 1999, XP0001188940 cited in the application the whole document -----	1-11

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